

Wheel of Fortune® Video



Operation and Service Manual

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Safety

OPERATION

Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

TRANSPORTING

The cabinet is very heavy. Because the wheel is high, the cabinet is also very top-heavy. Use appropriate care when moving or transporting cabinet. It contains fragile glass and electronic components. Avoid rough handling.

HANDLING COMPONENTS

Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, call your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture or other damaging effects.

DISCONNECT POWER

Always turn the power off and unplug the unit before servicing or making adjustments unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

GROUNDING

Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three-wire outlet. Do not use a “cheater” plug or cut off the ground pin on the line cord.

ELECTRICAL SHOCKS

There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

POWER SELECTOR

Before installing game, ensure the voltage on the PC is set properly. There is a 115/230 VAC selector switch that must be set for the correct voltage for your site. Verify the fluorescent lamp rating. The rating must match the line voltage at the installation site.

POWER CORD

If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent.

CONNECTORS

Be sure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation.

COMPUTER

The computer contains sensitive components, including a hard drive. Do not handle it roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Do not turn the PC power switch on or off. It should remain permanently in the ON position.

Cycle AC power on or off with the cabinet power switch.

A dongle has been inserted into one of the USB ports. This is required for game play.

Do not remove the dongle except for troubleshooting purposes.

FLUORESCENT TUBES

A dropped fluorescent tube may break and implode. Shattered glass from the implosion can travel long distances and cause bodily injury. Use proper procedures when handling broken materials, as these items can contain hazardous material such as mercury or lead.

HAZARD TO EPILEPTICS

A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizure while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physician before using video games. While children play video games, a parent should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation or convulsions. If you or your child experiences these symptoms, discontinue use immediately and consult your physician.

MANUAL

Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. Your warrantee, when applicable, lasts 60 days from your purchase date. You may not reproduce this document or any of its contents without written authorization from Raw Thrills, Inc. or Play Mechanix™ Inc.

SPECIFICATIONS

For reasons such as performance, this product's specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.

INDOOR USE

This game is intended for indoor use only. Do not operate machine in wet or extremely humid conditions. Do not install near sprinkler or other source of water spray. Do not use water to clean the game.

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Product Specifications

Electrical Power

Domestic, international users and Japan

120 VAC @ 60 Hz, 5 amps

240 VAC @ 50 Hz, 2.5 amps

100 VAC @ 50 Hz, 5 amps

DC Power Fuse Guide

+5 VDC 2 amp Slow Blow

+12 VDC 7 amp Slow Blow

Temperature

32° F to 100° F

(0° C to 38° C)

Humidity

Must not exceed 95% relative humidity

Dimensions

Height: 87" (2.21 meters)

Width: 41" (1.04 meters)

Depth: 27" (0.69 meters) - Without Bench.

Depth: 54" (1.37 meters) – With Bench.

Carton Weight

330 lbs. (149.68 kg)

Setup and Features

Initial Game Setup

1. Place the shipping crates on a flat stable surface.
2. Cut the banding straps and remove the cardboard lid.
3. Lift off the large cardboard container surrounding the cabinet and any shipping cleats.
4. With at least two people and a dolly, remove the cabinet from the shipping pallet.
5. Remove the coin door key from the coin return chute.
6. Open the top coin door.
7. Locate the key for the back door and the cash box.
8. Open the cash box and remove the items inside it. These include this service manual, an AC line cord, a bag of screws and tools and a warranty card.
9. Using at least one assistant, transport the cabinets to a suitable playing area.

Bench Assembly

1. At the base of the display console front, locate the connector bracket (96).
2. Align and position the bench assembly so the bracket and mounting holes in the bench (197) mate with the holes in the top of the bracket.
3. Connect the sub-woofer cable and two 110V fluorescent lighting cables in seat base to their mates in the monitor console.
4. In the cashbox, locate the two ¼-20 x 1" button head Torx screws.
5. Fasten bench assembly to display console with above screws.
6. Plug power cord into grounded AC outlet.
7. Turn game on and run diagnostic screens and make desired adjustments.

Wheel Type: 100-E



Cost to Play \$1.00
 Payout Percent 35.00%
 Tickets per Game 34 - 35

Wheel Type: 150-F



Cost to Play \$1.50
 Payout Percent 40.00%
 Tickets per Game 59 - 60

Wheel Type: 1-G (points version)



Cost to Play \$1.00
 Payout Percent **Adjustable*
 Tickets per Game **Adjustable*

Wheel Type: 300-H



Cost to Play \$3.00
 Payout Percent 40.00%
 Tickets per Game 118 - 120

**Wheel 1-G – Adjustable using Points Per Ticket setting in Player Cost/Payout Menu.*

Avg Points per Game: 522

Payout Determine by GAME START COST and POINTS PER TICKET settings

Example: At \$1.00 cost to play

25 points per ticket = 20% payout

15 points per ticket = 15% payout

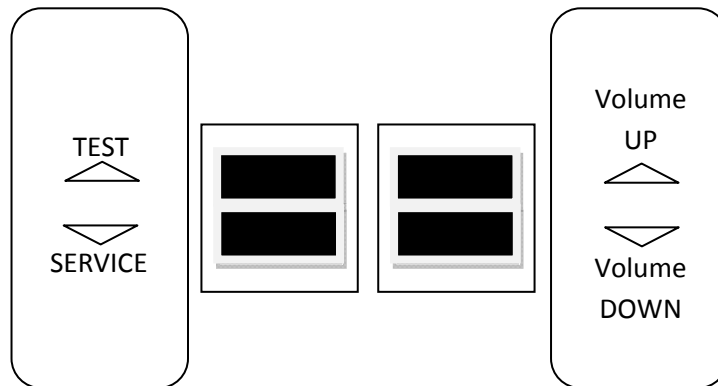
13 points per ticket = 40% pa

Adjustments and Audit Menu System

Diagnostic Menu System

The Service Button Panel should have four buttons, three of which can navigate the menu system.

But it is easiest to navigate by using the touchscreen.



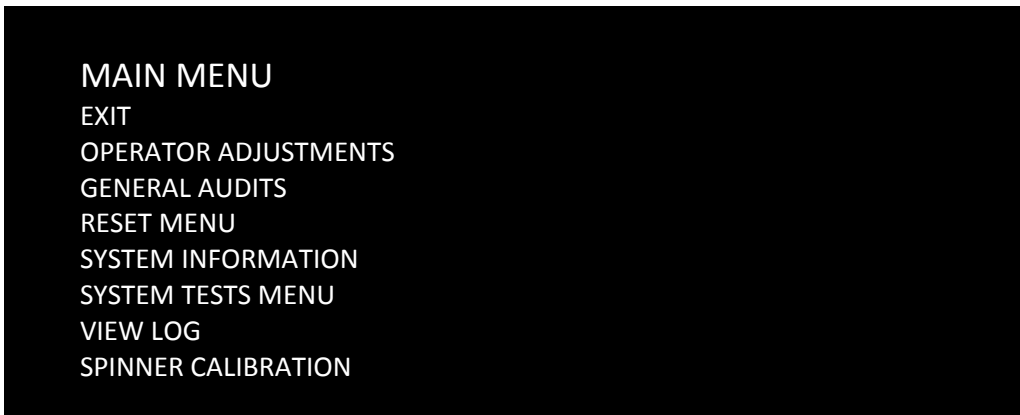
- Service Panel TEST button enters diagnostic system.
- Either Start button or TEST button selects the highlighted option.
- Service Panel VOL - button moves down through menu or setting choices.
- Service Panel VOL + button moves up through menu or setting choices.
- Highlight and select Exit to return to previous screen.

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Menu Screens and Descriptions

Main Menu

Enter the diagnostic system by pressing the Test button.



For clarity, background image has been removed and only menu text is shown within this manual.

Main Menu

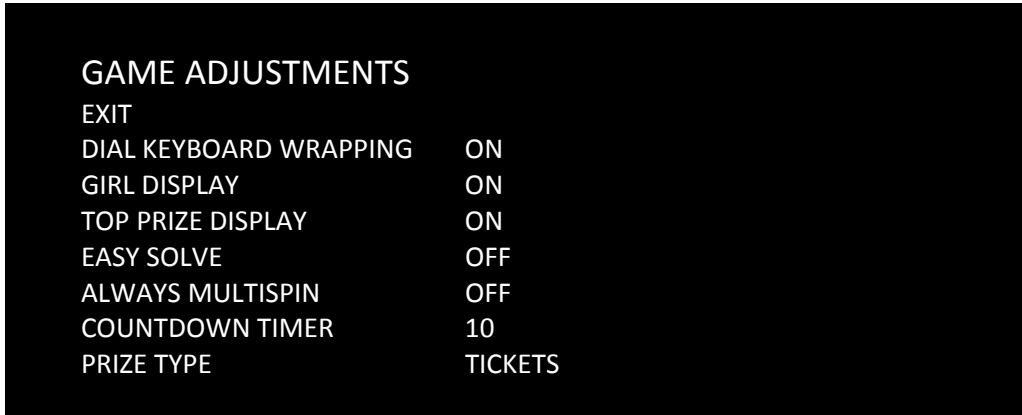
Operator Adjustments

This menu lets you customize your game.



Main Menu
Operator Adjustments
Game Adjustments

These settings adjust the player’s game experience.



Dial Keyboard Wrapping toggles the ability to move from opposite ends of letter selection.

Girl Display toggles the display of the girl on or off.

Top Prize Display toggles the top win value in attract mode.

Easy Solve default is off. When it is on, unused letters disappear while solving puzzle.

Always Multispin allows three spins instead of one. Default is off.

Countdown timer is the amount of time allowed to spin, pick a letter or solve. Range is from 3 to 30. Default is 10.

Prize Type adjustment modifies the labeling of values to tickets/coupons/nothing. (e.g., 100 tickets, 100 coupons or 100) Default is tickets.

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Main Menu

Operator Adjustments

Ticket Mech Adjustment

TICKET MECH ADJUSTMENT

EXIT

TICKET OUTPUT ON

TICKET DIVISOR 1

HAND PAYOUT LIMIT OFF

SINGLE DISPENSER LIMIT 10

Ticket Output toggles the ticket mechs on and off.

Ticket Divisor reduces the number of tickets output by selected factor from 1-4.

Ex: If set to 2, when player wins 100 tickets, 50 tickets will be dispensed.

Hand Payout Limit sets the most amount of tickets that will be dispensed by the mechs. Any value higher must be paid out by hand. Default is off. Setting ranges from 100 to 2000 in 100 increments.

Single Dispenser Limit sets the most amount of tickets that will be dispensed using a single ticket mech. Any higher values will be dispensed running both ticket mechs.

Main Menu

Operator Adjustments

Coin Adjustments

COIN ADJUSTMENTS

EXIT

FREEPLAY OFF

CURRENCY TYPE Dollar

CURRENCY UNIT VALUE 0.25

COIN 1 VALUE \$0.25

COIN 2 VALUE \$0.25

COIN 3 VALUE / DBV PULSE \$1.00

MAXIMUM CREDITS \$500.00

Main Menu
Operator Adjustments
Player Cost / Payout

PLAYER COST / PAYOUT	
EXIT	
GAME START COST	\$1.00
TICKET VALUE	0.01
SOLVE BONUS	100
POINTS PER TICKET	100

Parameters

Game Start Cost: from \$0.25 to \$63.75 incremented by \$0.25

Ticket Value: from 0.01 to 1.00 incremented in 0.01

Solve Bonus: ranges from 1 to 1000 incremented by 1

**Note: Default depends on wheel selection*

**Adjusting solve bonus will change payout percentaging*

Points Per Ticket: ranges from 1 to 1000 incremented by 1

**Note: Points Per Ticket option only available using Wheel 1-G*

**Adjusts numbers of points required to win 1 ticket.*

Main Menu
Operator Adjustments
Volume

VOLUME	
EXIT	
GAME VOLUME	16
ATTRACT VOLUME	16
MINIMUM VOLUME	4
ATTRACT SOUNDS	OCCASIONALLY

Parameters

Game Volume: from 0 to 32 incremented in 1

Attract Volume: from 0 to 32 incremented in 1

Attract Sounds: from 0 to 32 incremented in 1

Attract Sounds: Always, Occasionally, Never


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Main Menu
Operator Adjustments
Wheel Type Selection

EXIT

SELECT WHEEL TYPE

- WHEEL 100-A
- WHEEL 25-B
- WHEEL 200-C
- WHEEL 200-D
- WHEEL 100-E
- WHEEL 150-F
- WHEEL 1-G
- WHEEL 300-H
- WHEEL 200-J



Use Vol +/- To Select. Press Test to exit.

Main Menu
General Audits

These menus track game performance.

GENERAL AUDITS

- EXIT
- GAME AUDITS
- TICKET AUDITS
- SYSTEM AUDITS
- COIN AUDITS

Main Menu
General Audits
Game Audits

This screen reviews the history of game play to help you determine whether the game is bringing in enough players or whether to adjust the difficulty level.

GAME AUDITS	
EXIT	
TOTAL PLAYS (REGULAR PLAY)	0
TOTAL PLAYS (DOUBLE PLAY)	0
AVERAGE GAME TIME	00:00
TOTAL GAME TIME	00:00
TOTAL SOLVED	0
TOTAL NOT SOLVED	0
PERCENTAGE OF PUZZLES SOLVED	0.00

Main Menu
General Audits
Ticket Audits

TICKET AUDITS	
EXIT	
TOTAL TICKETS (REGULAR PLAY)	0
TOTAL TICKETS (DOUBLE PLAY)	0
AVERAGE TICKETS PER PLAY	0
AVG. TICKETS (REGULAR PLAY)	0
AVG. TICKETS (DOUBLE PLAY)	0
CURRENT PAYOUT PCT	0
TICKETS OWED	0

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Main Menu

General Audits

System Audits

SYSTEM AUDITS

EXIT

PLAY TIME 0yr 0dy – 0:00:00

UP TIME 0yr 0dy – 0:00:00

WATCHDOGS 0

EXCEPTIONS 0

BAD TRAPS 0

Main Menu

General Audits

Coin Audits

COIN AUDITS

EXIT

TOTAL COIN 1 \$0.00

TOTAL COIN 2 \$0.00

TOTAL COIN 3 (DBV) \$0.00

LIFETIME COIN COUNT \$0.00

SERVICE CREDITS \$0.00

TOTAL CREDITS IN \$0.00

Main Menu

Reset Menu

This screen allows you to restore all the settings to their original state.

RESET MENU

EXIT

RESET GAME AUDITS

RESET CREDITS

RESET COIN COUNTERS

RESET ADJUSTMENTS

RESET TICKETS

FACTORY RESET

Main Menu
System Information Menu

SYSTEM INFORMATION
EXIT
VERSION LIST

Main Menu
System Tests Menu
Version List

VERSIONS
EXIT
SOUND 19.3
JAMMA 26q H00 F00 U00 D
PMNET 108.00
RIO 4800E
SOFTWARE 01.33. 00 – Build Jan 1 2012 12:00:00
LINUX KERNEL - -
PROCESSOR AMD Athlon™ 64 x 2 Dual Core Processor 5200+
BIOS VENDOR Dell Inc. VERSION: 99.8.12 Date 06/17/2008

Main Menu
System Tests Menu

SYSTEM TESTS
EXIT
DEVICE CONNECTION TEST
LAMP TEST
SPINNER TEST
SWITCH TEST
SCREEN TESTS
SOUND TEST
FILE TEST
COIN METER TEST
TICKET METER TEST
TICKET DISPENSER TEST 1
TICKET DISPENSER TEST 2
WATCHDOG TEST

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Main Menu

System Tests Menu

Device Connection Test

DEVICE CONNECTION TEST

EXIT

RIO INPUT BOARD

Connected

SPINNER CONTROLLER

Connected

Main Menu

System Tests Menu

Lamp Test

Touch the name of a light on the screen to toggle it on and off. Use this test to determine if a light is out.

LAMP TEST

EXIT

START BUTTON

DASH TOP

DASH BOTTOM

Main Menu

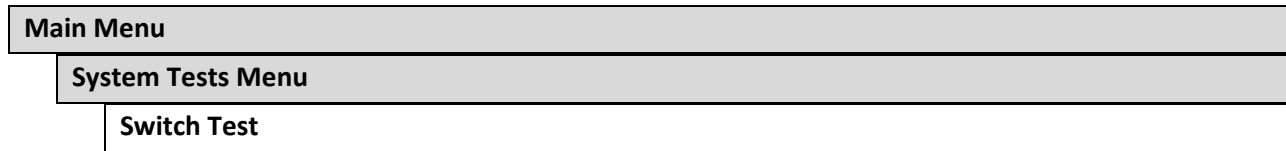
System Tests Menu

Spinner Test

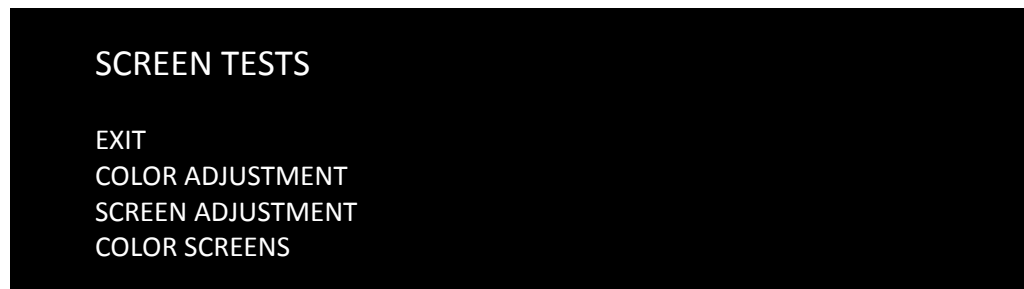
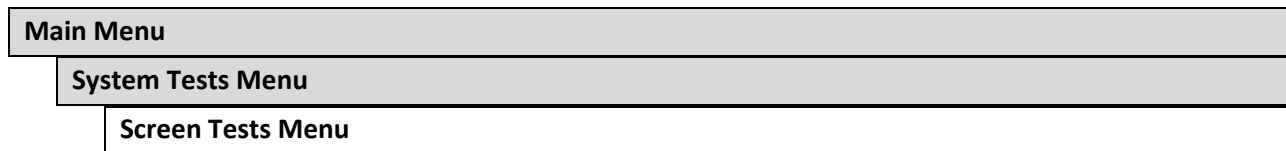
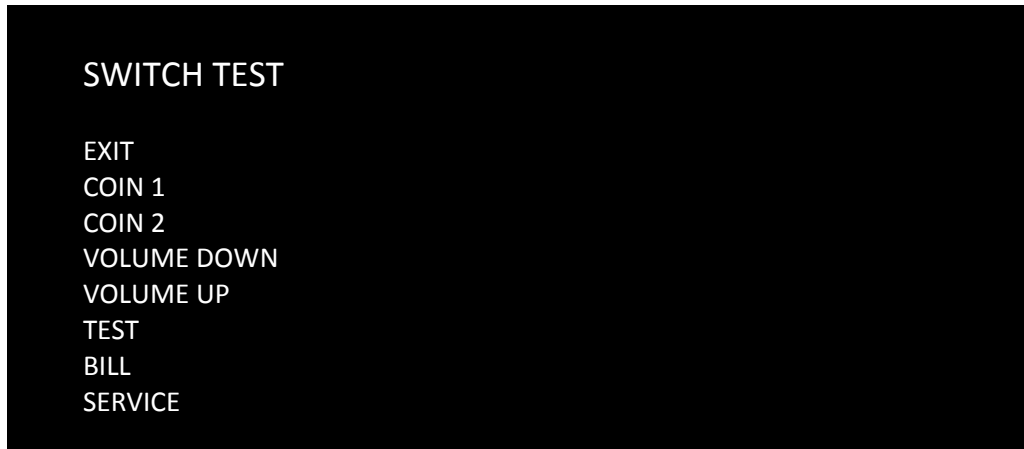
SPINNER TEST

EXIT

SPINNER SPEED: 0



Use this test to determine if switches are functional. To leave this screen, simultaneously hold the Start and Volume buttons.



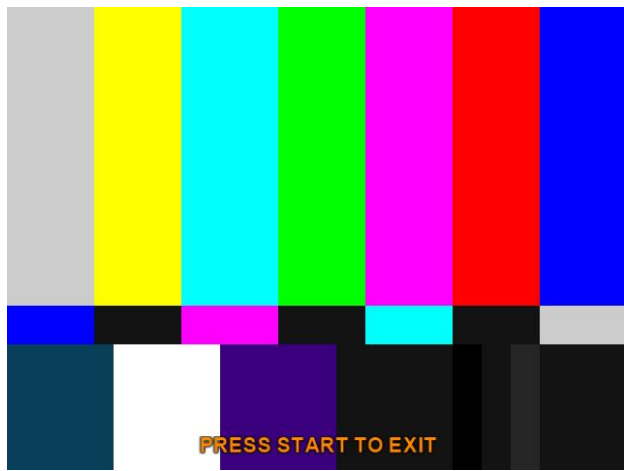
Wheel of Fortune® Video

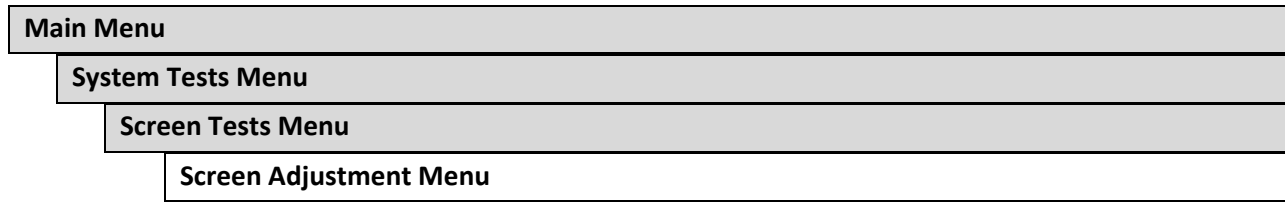
Main Menu
System Tests Menu
Screen Tests Menu
Color Adjustment

This color bar screen of gray, yellow, cyan, green, magenta, red and blue helps identify missing colors. Missing color bars may indicate bad video RAM in the PC, or a problem with the monitor.

Color bars can also help

- Peak the brightness and black levels
- Balance red, green and blue drives
- Check purity problems (color contamination)
- Compensate for barrel or pincushion distortion
- Adjust size controls
- Test for video noise sources (such as bad cables)





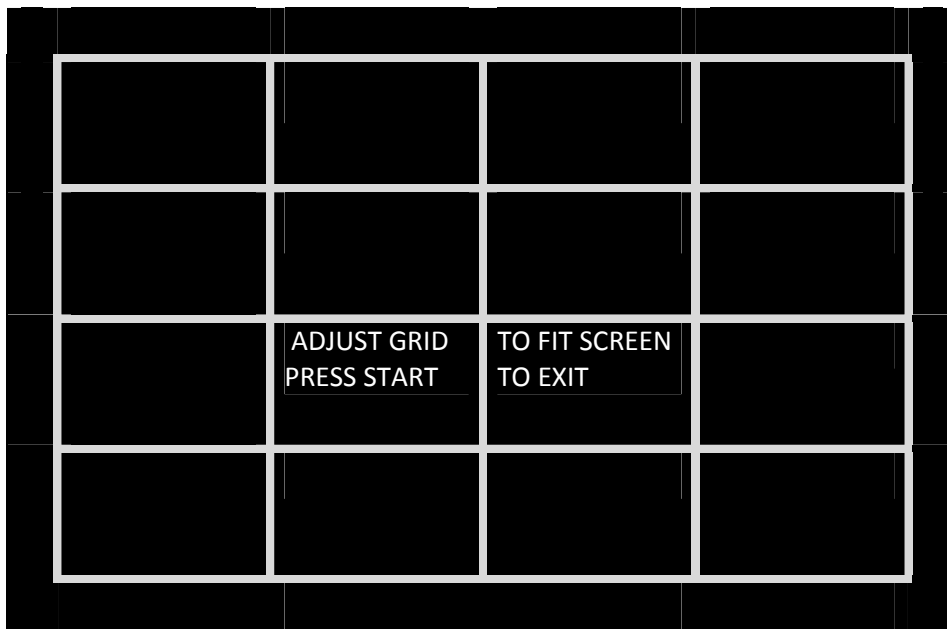
This crosshatch screen adjusts width and height, static convergence and purity, brightness and focus.

Width and Height Adjust height and width of the crosshatch pattern until the grid fills the screen. Keep all the lines visible, though. If part of the grid goes off the screen, then the game image will, too.

Static Convergence and Purity All lines in the crosshatch pattern must be white. Else, there is a convergence or purity problem. Slight color tinges at the extreme edges of the screen are okay.

Brightness Ensure the bars are a fairly strong white.

Focus Bars with fuzzy edges indicate a focus problem. Adjust the focus control for best sharpness.



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Main Menu

System Tests Menu

Screen Tests Menu

Color Screens

These are solid one-color images that help adjust color drive controls for proper intensity. The screens are black, white, red, green and blue. Press the Start button to cycle through the screens. The white screen helps adjust brightness and color output balance.

Main Menu

System Tests Menu

Sound Test

SOUND TEST
EXIT
STREAMING SOUND
SOUND FX
100 Hz SINE WAVE
1000 Hz SINE WAVE

Main Menu

System Tests Menu

File Test

FILE TEST

FILES CHECKED: 1081
PASSED: 1081
FAILED: 0
Test Completed.

Press test or touch screen to exit.

Main Menu

System Tests Menu

Coin Meter Test

This increments the meter by 1 to verify functionality.

Main Menu
System Tests Menu
Ticket Meter Test

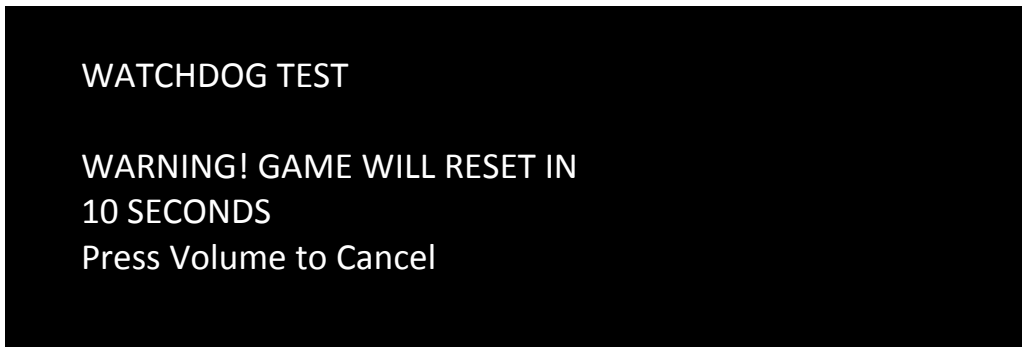
This increments each meter by 1 to verify functionality.

Main Menu
System Tests Menu
Ticket Dispenser Test 1 and 2

This causes the respective dispensers to eject a single ticket.

Main Menu
System Tests Menu
Watchdog Test

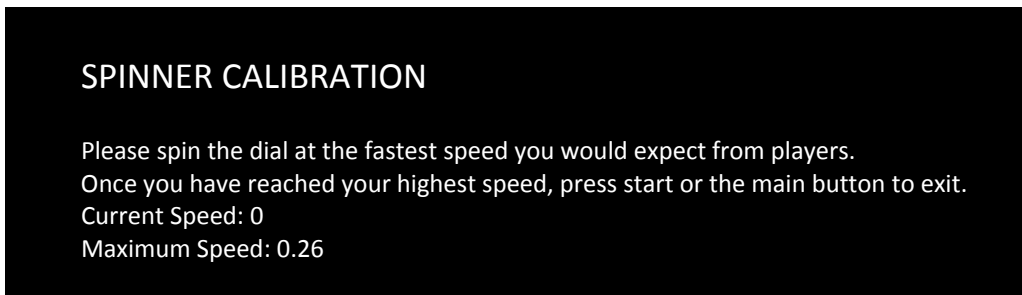
This test resets the game to determine if the watchdog board is working properly.



Main Menu
View Log

This lists history of significant events or errors in file system.

Main Menu
Spinner Calibration



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Maintenance

In order to maximize income potential it is important to perform routine maintenance. This will ensure the game is in full working condition. You should perform these maintenance procedures every time you empty the cash box.

When cleaning the plastic parts of this game, PlayMechanix recommends using only Novus plastic cleaners and polishes. Always use a soft cloth and never use paper products to clean any plastic surface.

Monitor

Clean the screen with any non-ammonia based glass cleaner.
Spray glass cleaner on a cloth or towel and use that to clean the screen.

IMPORTANT

Never use an ammonia-based cleaner on the screen.

Switches

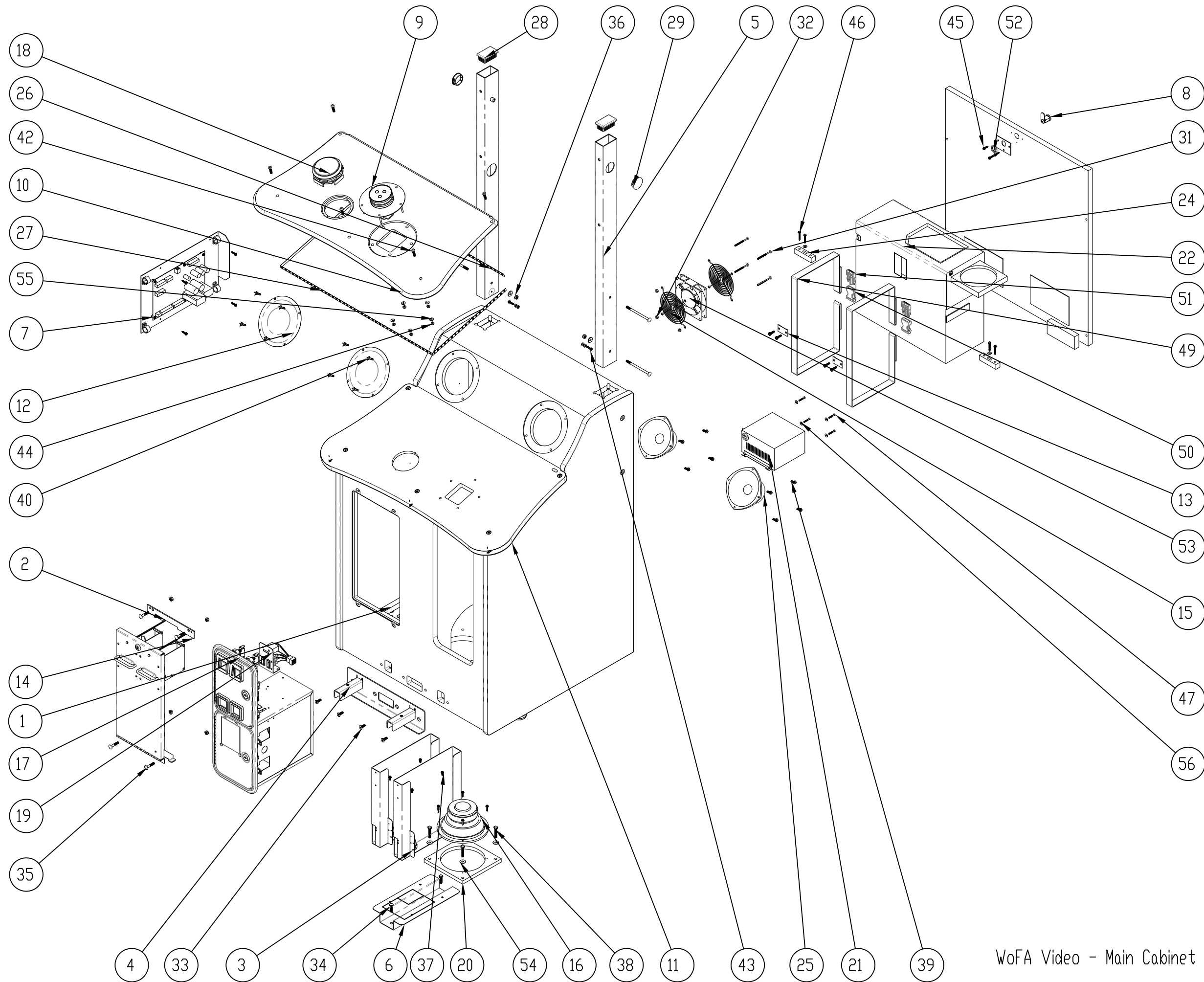
1. In diagnostic mode under the System Tests menu, select Switch Test.
2. Verify all switches are functioning properly.

Lights

1. In diagnostic mode under the System Tests menu, select Lamp Test.
2. Verify each light is functioning properly.
3. If any lights are not working, check wiring for breaks or bad connections.
4. Replace faulty lights.

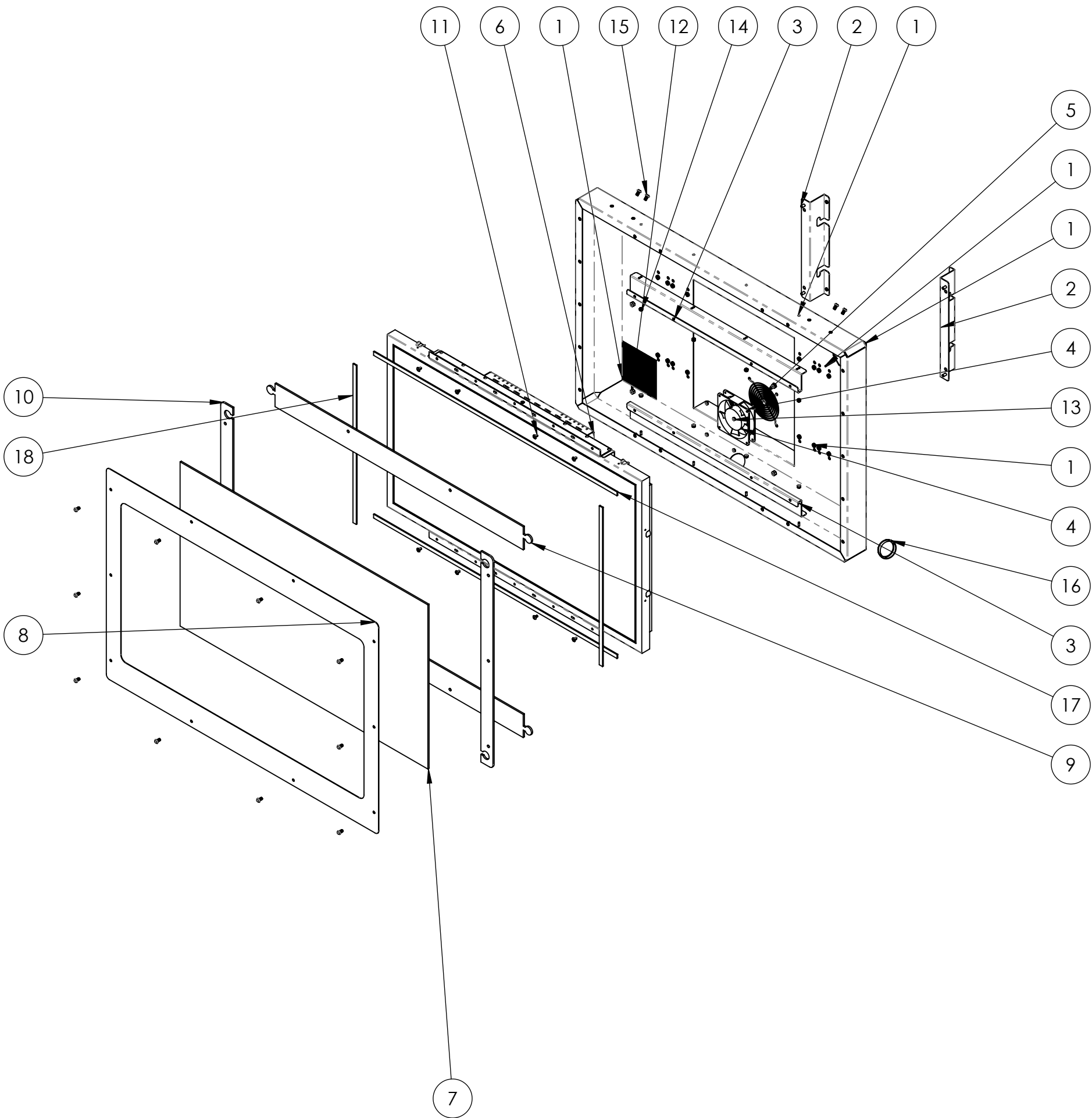
Parts

Cabinet Assembly

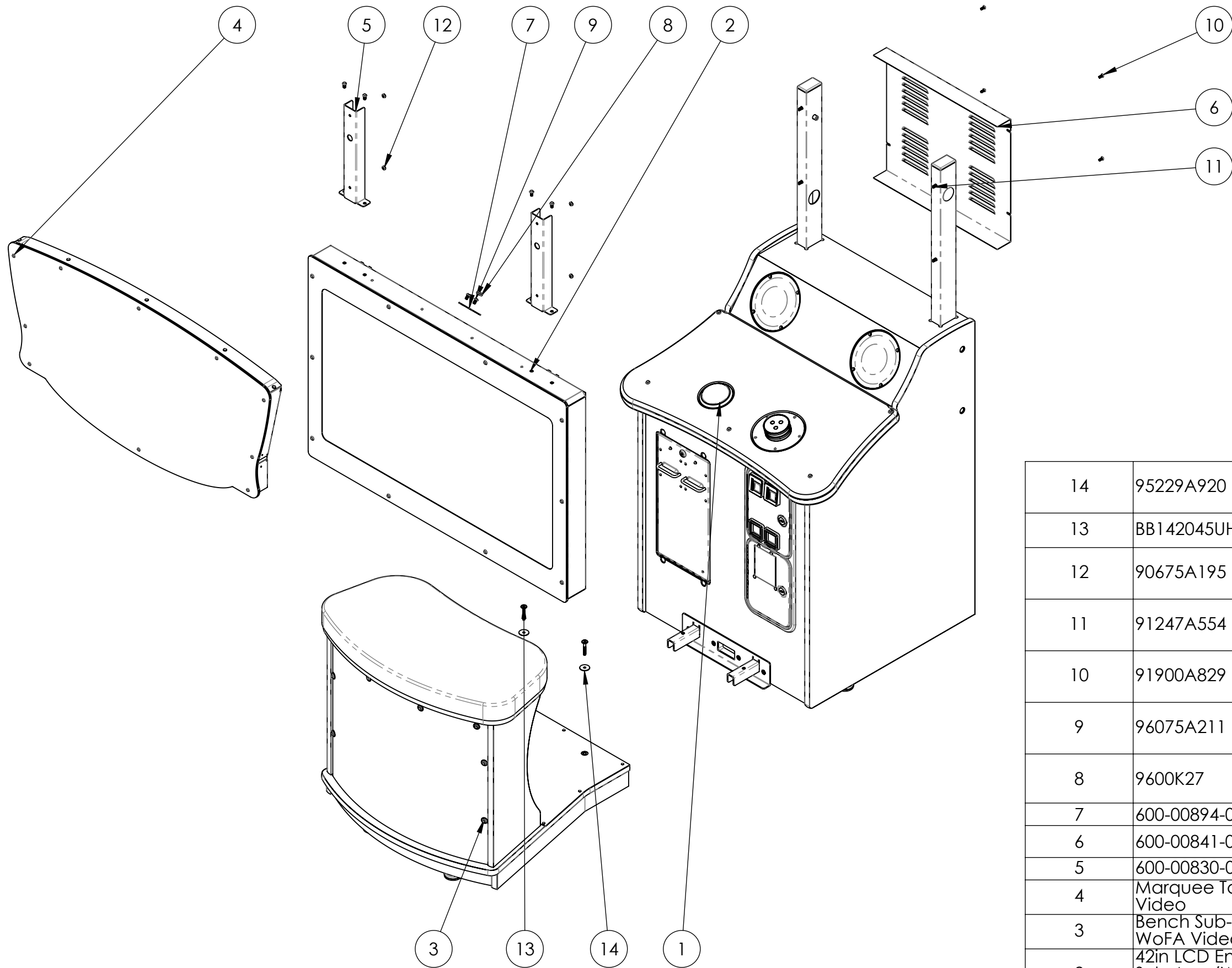


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00574-01	Wheel of Fortune Video - Main Cabinet	1
2	Dual Ticket Door Assembly	Dual Ticket Door Assembly	1
3	Ticket Bin 4000 Sub-Assy	Ticket Bin 4000 Sub-Assy	2
4	608-00120-01	Mounting Bracket - Bench	1
5	608-00141-01	42in LCD Strut - Right Side (WoFA)	2
6	600-00878-01	Mounting Base - Ticket Bins	1
7	RII-Hardware Assy		1
8	Back Door Lock Assembly	Back Door Lock Assembly	1
9	Spinning Knob Sub-Assy	Spinning Knob Sub-Assy	1
10	603-00574-01	Edge-Glow - Control Panel Top Side	1
11	603-00575-01	Edge-Glow - Control Panel Bottom Side	1
12	608-00025-01	Speaker Grill - 6.5in (Dome)	2
13	600-00891-01	Securing Nylon Strap Plate	2
14	600-00225-01	Anchor Plate - Cam Lock	1
15	800-00001-00	120mm Wire Fan Guard	2
16	807-00002-02	Woofers Speaker, 6.5in 4 ohms	1
17	40-6000-00		1
18	95-4002-12ZL	Jumbo Round With Locking Lampholder (6VDC Blue LED), .187 Gold MS	1
19	810-00053-01	Test Service Button Assy	1
20	601-00081-01	Wheel of Fortune Arcade - Subwoofer Panel	1
21	2-1-02-00-00-017	APS Power Supply (Bracket #90-AP188)	1
22	Dell Optiplex 390	Dell Optiplex 390	1
23	850-00015-00	Dell 380 Minitower	1
24	601-00580-01	PC Wood Cleat	3
25	2-1-10-00-00-000	5.25 Full Range Speaker	2
26	63 cm Blue LED Strip	63 cm Flexible LED Strip (Blue)	1
27	140 cm Blue LED Strip	140 cm Flexible LED Strip (Blue)	1
28	RCR25151216A	Rectangular Ribbed Tube Insert - Black, Polished, 2.500 X 1.500 (63.5mm X 38.1mm), 12-16 gauge	2
29	MP-1500	Push-in Round Plastic Plug Fits 1-1/2" ID, 1-43/64" Head Dia, Black	2
30	87425K76 (50.48 length)	Nylon Strip 0.075" Thick, 1" Width, Black (50.48" Length)	2
31	91772A206	18-8 SS Pan Head Phillips Machine Screw 8-32 Thread, 2-1/4" Length	4
32	91333A120	Nylon-Insert Locknut Hex, 8-32 Thread Size, 11/32" Width, 15/64" Height	4
33	91253A540	Alloy Steel Flat Head Socket Cap Screw 1/4"-20 Thread, 3/4" Length, Black Oxide	4

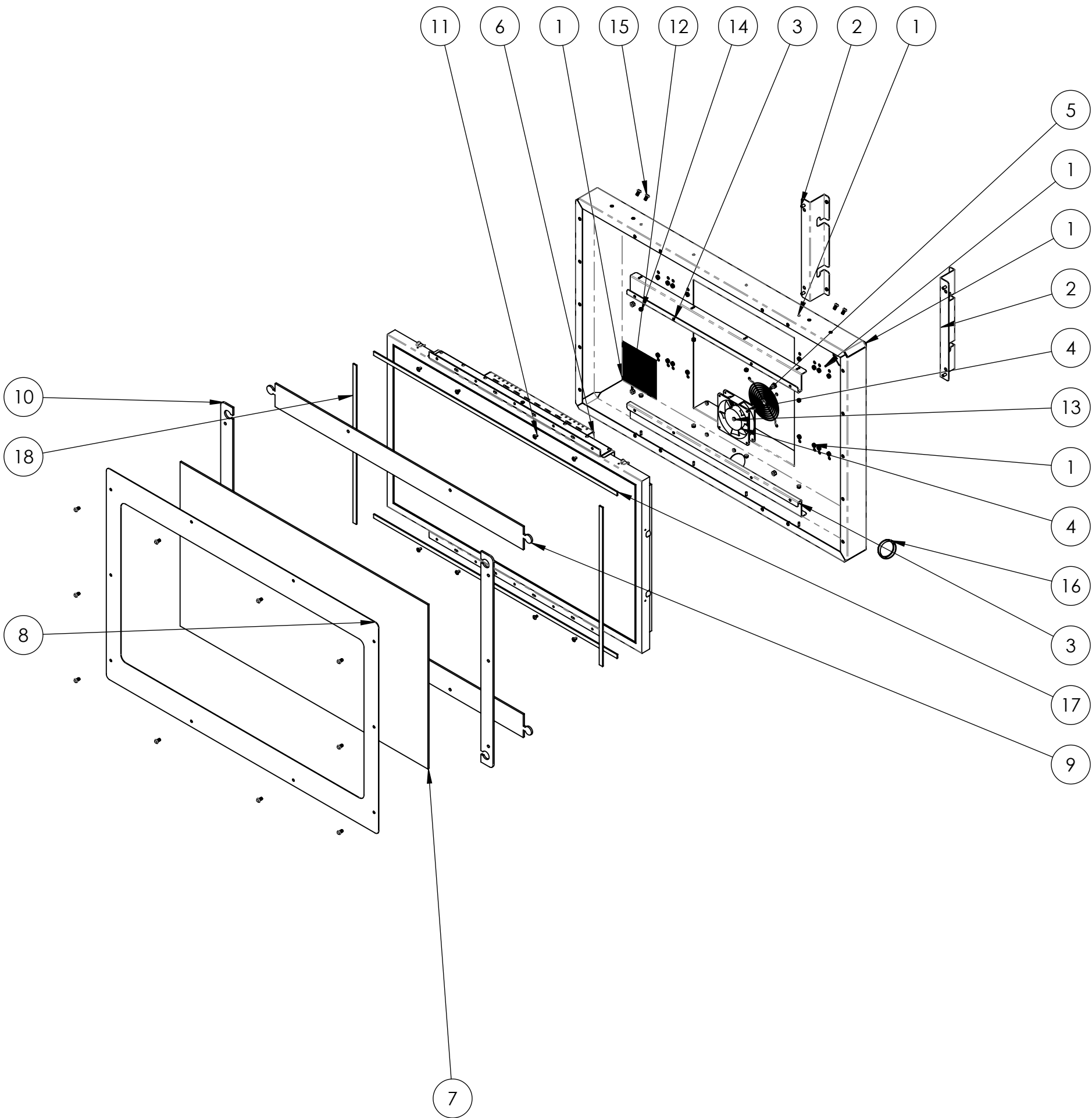
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
34	92865A542	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 1" Long, Fully Threaded	4
35	93548A558	Grade 2 Round Head SQ Neck Carriage Screw Zinc-Plated Steel, 1/4"-20 Thread, 1-1/4" Length	8
36	90675A029	Znc-Pltd STL Machine Screw Nut W/Tooth Washer 1/4"-20 Thrd Sz, 7/16" Nut Width, 3/16" Nut Height	8
37	90316A192	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/8" Length	4
38	92865A546	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 1-1/2" Long, Fully Threaded	4
39	90316A831	18-8 SS Hex Washer Head Slotted Machine Screw 10-32 Thread, 3/4" Length	12
40	96075A195	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1" Length	11
41	91900A829	18-8 SS Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1/2" Length	2
42	96075A223	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1" Length	5
43	90316A197	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/4" Length	2
44	90675A009	Znc-Pltd STL Machine Screw Nut W/Tooth Washer 8-32 Thread Sz, 11/32" Nut Width, 1/8" Nut Height	9
45	90054A197	Znc-Pltd STL Hex Washer Head Sheet Mtl Screw Slotted, NO. 8 Size, 3/4" Length	11
46	91675A333	Type 410 SS Hex Washer Head Sheet Metal Screw Unslotted, NO. 8 Size, 1-1/4" Length	4
47	91900A153	18-8 SS Pin-in-Torx Button Socket Cap Screw 6-32 Thread, 1" Length	4
48	96075A203	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1-1/2" Length	4
49	87425K76 (52 length)	Nylon Strip 0.075" Thick, 1" Width, Black (52" Length)	2
50	29705T86 (female)	Plastic Buckle for Webbing NO Sew Squeeze-Release for 1" Wide Webbing (Female)	2
51	29705T86 (male)	Plastic Buckle for Webbing NO Sew Squeeze-Release for 1" Wide Webbing (Male)	2
52	.875 Hex Nut - SB Lock	7/8" Hex Nut - SB Lock	1
53	Fan-AC-SP101AT-1122HSL-Promoco	Hardware, Fan,120VAC,19/15W	1
54	Regular FW 0.25		8
55	Regular FW 0.164		7
56	Regular FW 0.138		4



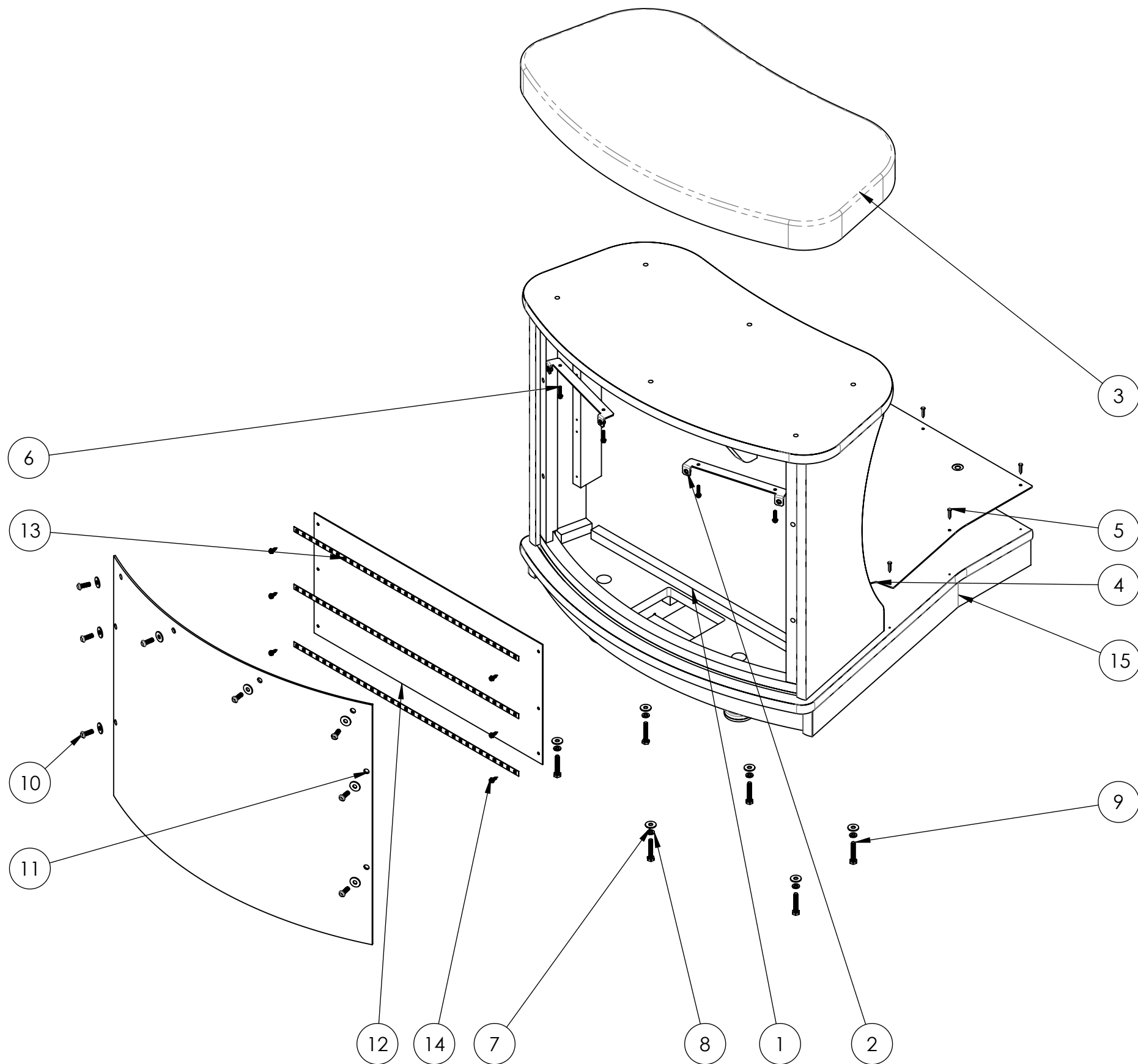
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00146-01	Modular LCD Enclosure (42in Flat Panel)	1
2	600-00873-01	Strut Mounting - Modular LCD Enclosure	2
3	600-00872-01	Mounting Bracket - Modular LCD Enclosure	2
4	Fan-AC-SP101AT-1122HSL-Promoco	Hardware, Fan, 120VAC, 19/15W	1
5	800-00001-00	120mm Wire Fan Guard	1
6	809-00002-00	42" LCD Display (Makvision MT42W-267A)	1
7	600-00509-01	SB-2, H2O 42" LCD Front Glass	1
8	600-00510-01	42" LCD Metal Frame	1
9	603-00506-01	42" LCD Top / Bottom Spacer	2
10	603-00507-01	42" LCD Monitor Side Spacer	2
11	91770A827	18-8 SS Truss Head Phillips Machine Screw 10-32 Thread, 3/8" Length	8
12	90640A129	Znc-Pltd Grade 2 STL Nylon-Insert Hex Locknut 1/4"-20 Thread Size, 7/16" Width, 5/16" Height	4
13	91333A110	Nylon-Insert Locknut Hex, 6-32 Thread Size, 5/16" Width, 11/64" H	4
14	91333A120	Nylon-Insert Locknut Hex, 8-32 Thread Size, 11/32" Width, 15/64" Height	8
15	96075A211	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1/2" Length	14
16	MP-2000	Push-in Round Plastic Plug Fits 2" ID, 2-9/64" Head Diameter, Black	1
17	93275K12 (37inch cut length)	Quick-Recovery Super-Resilient Foam Polyurethane, 1/8" Thk X 1/2" W, 39"L, Adhesive (37" Cut Length)	2
18	93275K12 (21inch cut length)	Quick-Recovery Super-Resilient Foam Polyurethane, 1/8" Thk X 1/2" W, 39"L, Adhesive Backed (21" Cut Length)	2



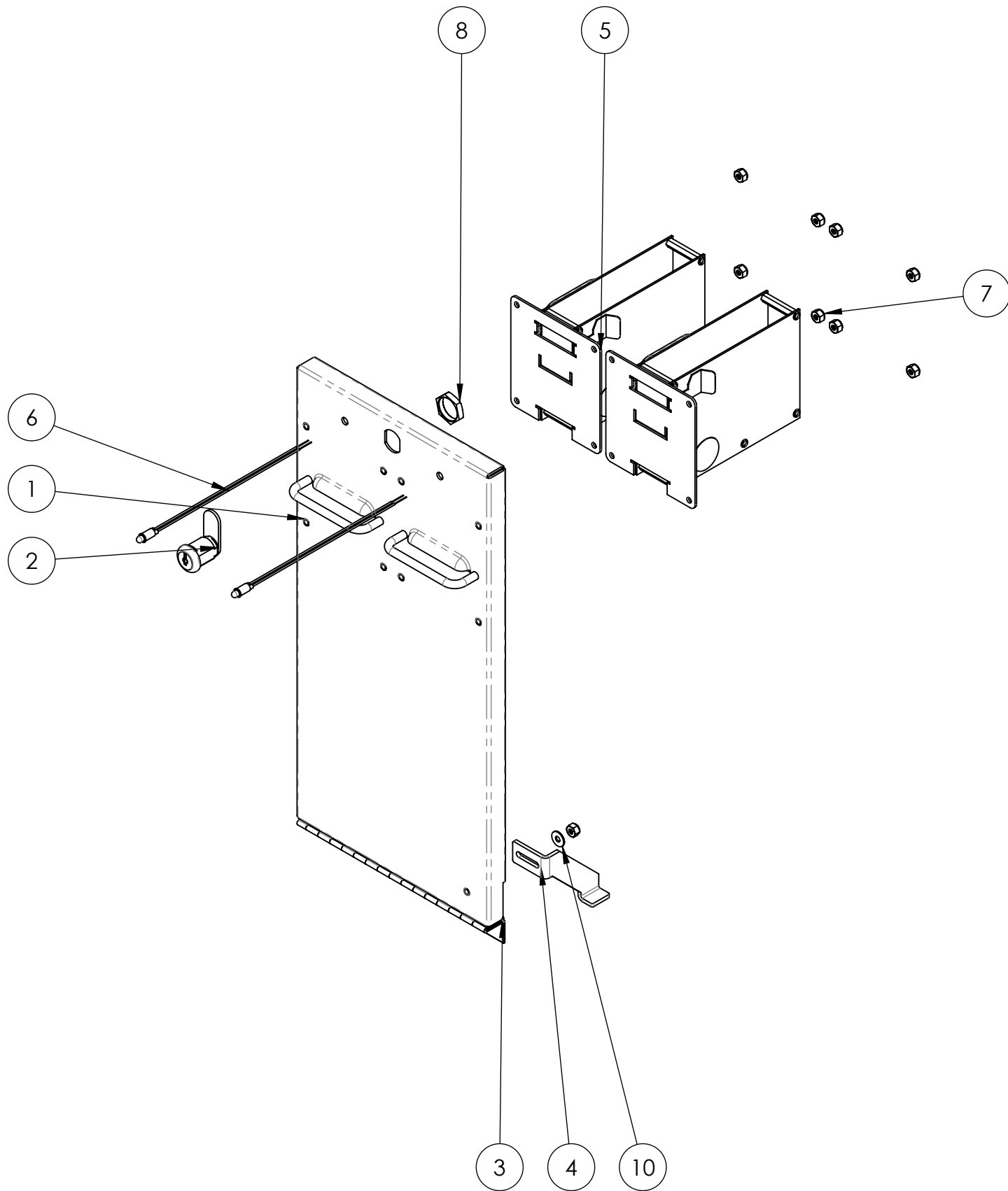
14	95229A920	Military Spec Cadmium-Pltd Steel Flat Washer 1/4" Screw Size, .05"-.08" Thk, AN970-4	2
13	BB142045UHD	Joint Connector Bolt 1/4"-20 Thread, 1-3/4" Length, Hex Drive 4 mm	2
12	90675A195	Znc-Pltd STL Machine Screw Nut W/Tooth Washer 10-32 Thread Sz, 3/8" Nut Width, 1/8" Nut Height	4
11	91247A554	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 3" Length	4
10	91900A829	18-8 SS Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1/2" Length	4
9	96075A211	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1/2" Length	6
8	9600K27	Push-in Grommet 5/32" ID, 11/16" OD, 1/16" Thk for 1/2" Dia Panel Hole	1
7	600-00894-01	Harness Plate - Grommet	1
6	600-00841-01	42" Monitor Back Door (19.875" Width)	1
5	600-00830-01	Mounting Channel - Marquee Box	2
4	Marquee Top - WoFA Video	Marquee Top - WoFA Video	1
3	Bench Sub-Assy - WoFA Video	Bench Sub-Assy - WoFA Video	1
2	42in LCD Enclosure Sub-Assy (WoFA Video)	42in LCD Enclosure Sub-Assy (WoFA Video)	1
1	WoFA Video - Main Cabinet Assembly	WoFA Video - Main Cabinet Assembly	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.



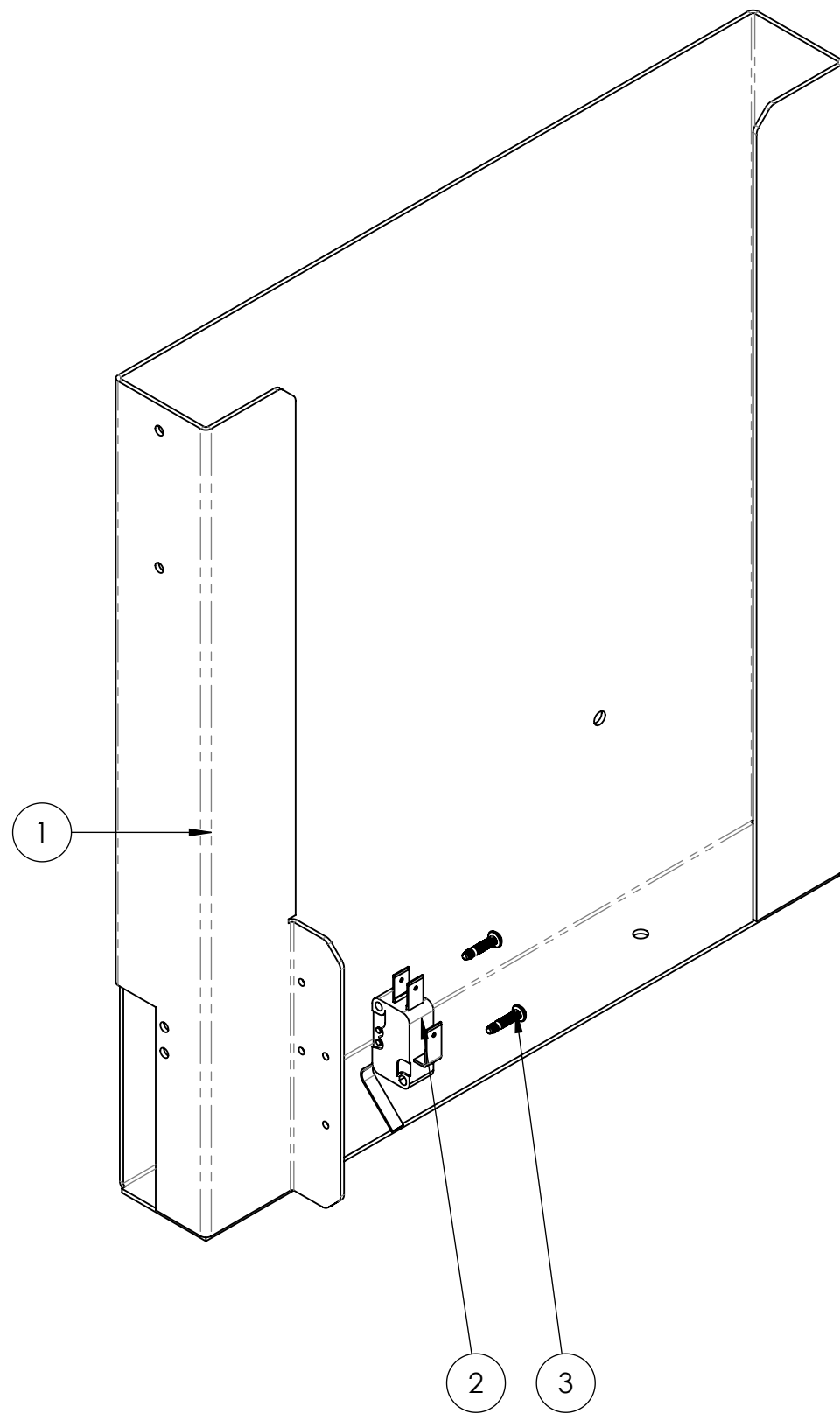
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00146-01	Modular LCD Enclosure (42in Flat Panel)	1
2	600-00873-01	Strut Mounting - Modular LCD Enclosure	2
3	600-00872-01	Mounting Bracket - Modular LCD Enclosure	2
4	Fan-AC-SP101AT-1122HSL-Promoco	Hardware, Fan, 120VAC, 19/15W	1
5	800-00001-00	120mm Wire Fan Guard	1
6	809-00002-00	42" LCD Display (Makvision MT42W-267A)	1
7	600-00509-01	SB-2, H2O 42" LCD Front Glass	1
8	600-00510-01	42" LCD Metal Frame	1
9	603-00506-01	42" LCD Top / Bottom Spacer	2
10	603-00507-01	42" LCD Monitor Side Spacer	2
11	91770A827	18-8 SS Truss Head Phillips Machine Screw 10-32 Thread, 3/8" Length	8
12	90640A129	Znc-Pltd Grade 2 STL Nylon-Insert Hex Locknut 1/4"-20 Thread Size, 7/16" Width, 5/16" Height	4
13	91333A110	Nylon-Insert Locknut Hex, 6-32 Thread Size, 5/16" Width, 11/64" H	4
14	91333A120	Nylon-Insert Locknut Hex, 8-32 Thread Size, 11/32" Width, 15/64" Height	8
15	96075A211	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1/2" Length	14
16	MP-2000	Push-in Round Plastic Plug Fits 2" ID, 2-9/64" Head Diameter, Black	1
17	93275K12 (37inch cut length)	Quick-Recovery Super-Resilient Foam Polyurethane, 1/8" Thk X 1/2" W, 39"L, Adhesive (37" Cut Length)	2
18	93275K12 (21inch cut length)	Quick-Recovery Super-Resilient Foam Polyurethane, 1/8" Thk X 1/2" W, 39"L, Adhesive Backed (21" Cut Length)	2



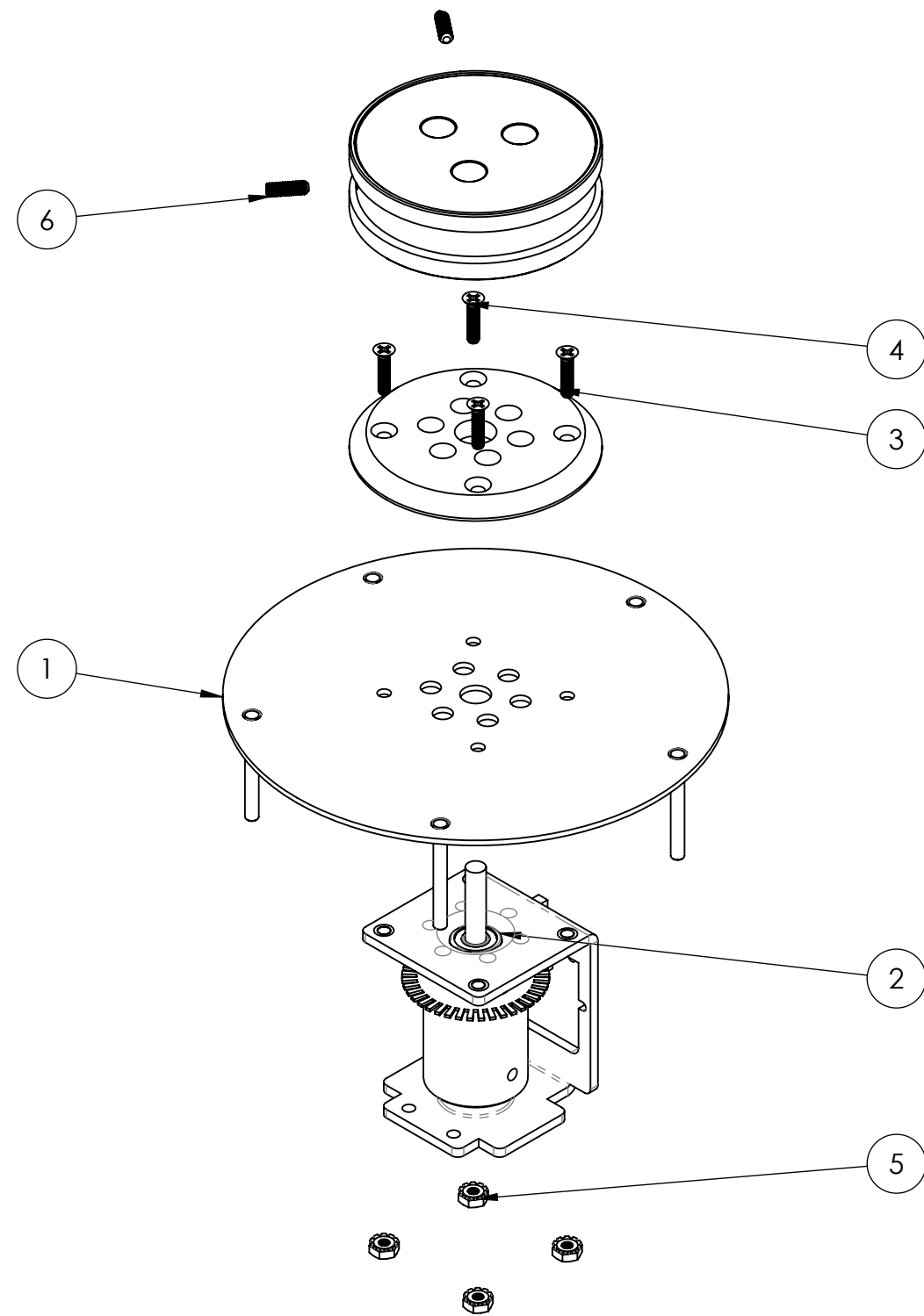
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00576-01	Wheel of Fortune Video - Bench Cabinet	1
2	600-00549-01	Bench Marquee - Mounting Bracket (Top)	2
3	600-00568-01	Seat Pad - Bench	1
4	600-00550-01	Tread Plate - Bench	1
5	95638A151	Pin-in-Torx Tamper-Resist Sheet Metal Screw 18-8 SS, Button Head, NO 6 Size, 3/4" Length	10
6	90316A197	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/4" Length	4
7	Regular FW 0.25		14
8	Regular LW 0.25		6
9	92865A546	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 1-1/2" Long, Fully Threaded	6
10	96075A219	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 3/4" Length	8
11	606-00198-01	Bench Marquee	1
12	600-00879-01	Mounting Sheet - Bench Marquee (LED Strips)	1
13	55 cm White LED Strip (flat)	55 cm Flexible LED Strip (White)	3
14	90054A194	Zinc-Pltd STL Hex Washer Head Sheet Mtl Screw Slotted, NO. 8 Size, 1/2" Length	6
15	606-00693-01	Wheel of Fortune Decal - Bench Floor Side Panel (Left & Right)	2



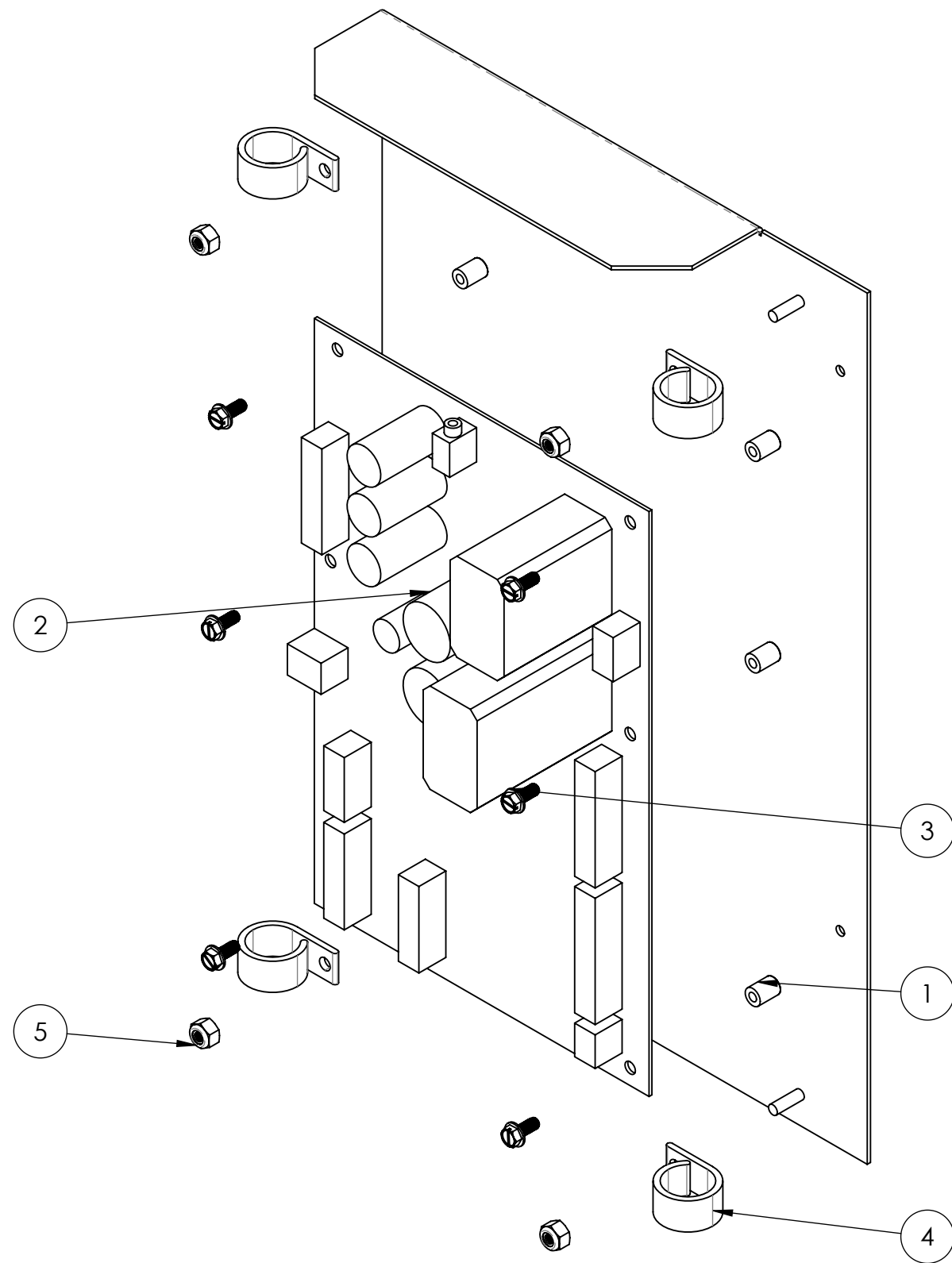
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00079-01	Dual Ticket Door Panel	1
2	30-2228-606	5/8" SB LOCK WITH CAM	1
3	Hinge Assembly (.120 Pin) - Dual Ticket Door	Hinge Assembly (.120 Pin) - Dual Ticket Door	1
4	600-00224-01	Dual Ticket Door Panel - Stop Bracket	1
5	42-1337-00 MAIN PART		2
6	PP156-W6	Red LED Indicators, Panel Mount, Snap-In, Snap-In, Mtg Dia 5/32" (4.0mm)	2
7	91333A120	Nylon-Insert Locknut Hex, 8-32 Thread Size, 1 1/32" Width, 15/64" Height	9
8	.875 Hex Nut - SB Lock	7/8" Hex Nut - SB Lock	1
9	91099A260	18-8 SS Flat Undercut Head Phil Machine Screw 8-32 Thread, 3/8" Length	4
10	Regular FW 0.164		1



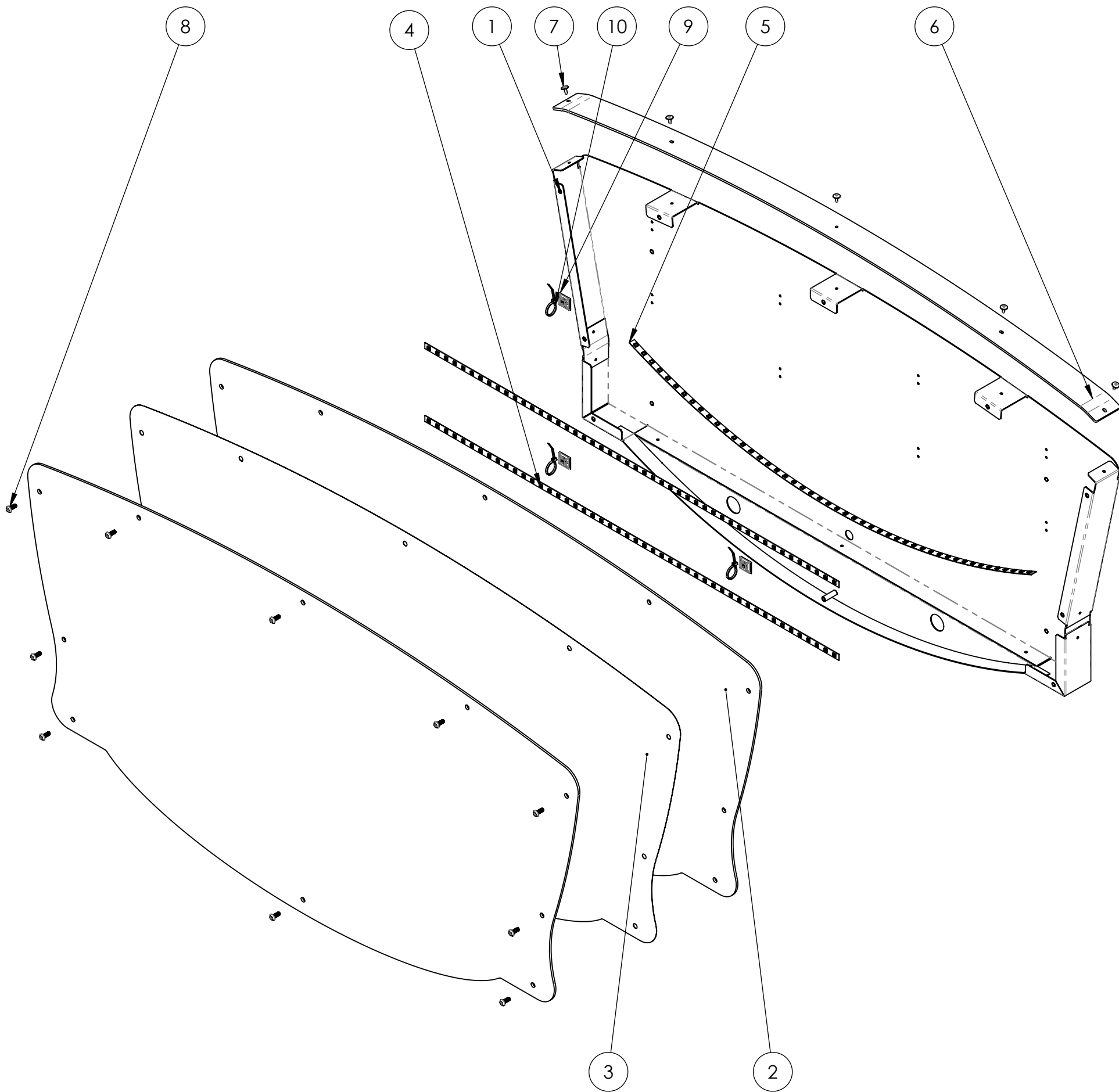
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00080-01	Ticket Bin 4000	1
2	95-4255-00	Switch Assy, Ticket Level Sensor	1
3	90087A108	Znc-Pltd STL Type F Thread-Cutting Screw Pan Head Phil, for Metal & Plastic, 4-40 Thrd, 1/2" L	2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-00827-01	Mounting Plate - Spinning Knob	1
2	800-00031-01	Spinning Knob (Lorenzo)	1
3	603-00576-01	Edge-Glow Spacer - Spinning Knob	1
4	91099A222	18-8 SS Flat Undercut Head Phil Machine Screw 6-32 Thread, 5/8" Length	4
5	90675A007	Znc-Pltd Stl Machine Screw Nut W/Tooth Washer 6-32 Thread Sz, 5/16" Nut Width, 7/64" Nut Height	4
6	91375A194	Alloy Steel Cup Point Socket Set Screw 8-32 Thread, 1/2" Length	2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-00513-01	RIO-Mounting plate Chassis	1
2	500-00040-01	RIO-board	1
3	90316A192	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/8" Length	6
4	7572K16	Cable Clamp 3/4", Screw Mount	4
5	91333A120	Nylon-Insert Locknut Hex, 8-32 Thread Size, 11/32" Width, 15/64" Height	4

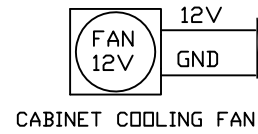


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00143-01	Marquee Box Enclosure	1
2	600-00840-01	Wheel of Fortune Video - Clear Marquee	2
3	606-00684-01	Wheel of Fortune Video - Marquee Translite	1
4	80 cm White LED Strip (flat)	80 cm Flexible LED Strip (White)	2
5	80 cm White LED Strip (curved)	80 cm Flexible LED Strip (White)	1
6	600-00880-01	Top Shield - Marquee	1
7	97447A315	Aluminum Blind Rivet with Aluminum Mandrel Wide Domed, 1/8" Dia, .188"-.25" Material Thk	5
8	91900A829	18-8 SS Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1/2" Length	10
9	FTH-40A-RT	Flat Tie Holder 3/4" SQ (Acrylic Adhesive RMS-15)	3
10	WIT-18R-M	Cable Tie, Locking, Nat, 4.52"Lg, 18 Lb (Richco)	3

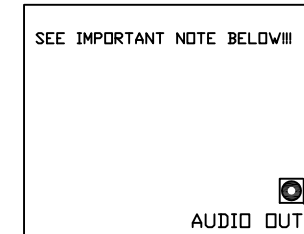
Wheel of Fortune® Video

Cabinet Wiring Diagram

IMPORTANT NOTICE:
 WHEEL OF FORTUNE VIDEO WATCHDOG SYSTEM USES RELAY CONTROL FOR PC POWER AND REV. G RIO OR NEWER ONLY!

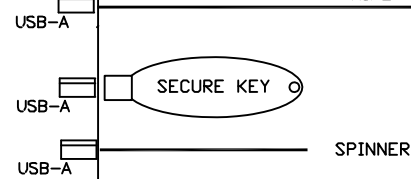


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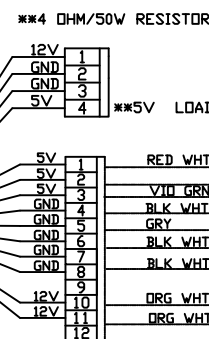
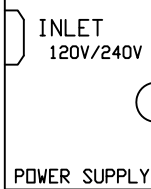
INLET
120V/240V

***PLUG TO WATCHDOG RELAY CONTROLLED OUTLET LABELED: 'PC POWER'
 ***USE REV. G OR NEWER RIO

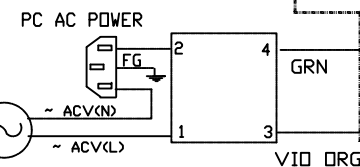


VIDEO OUT

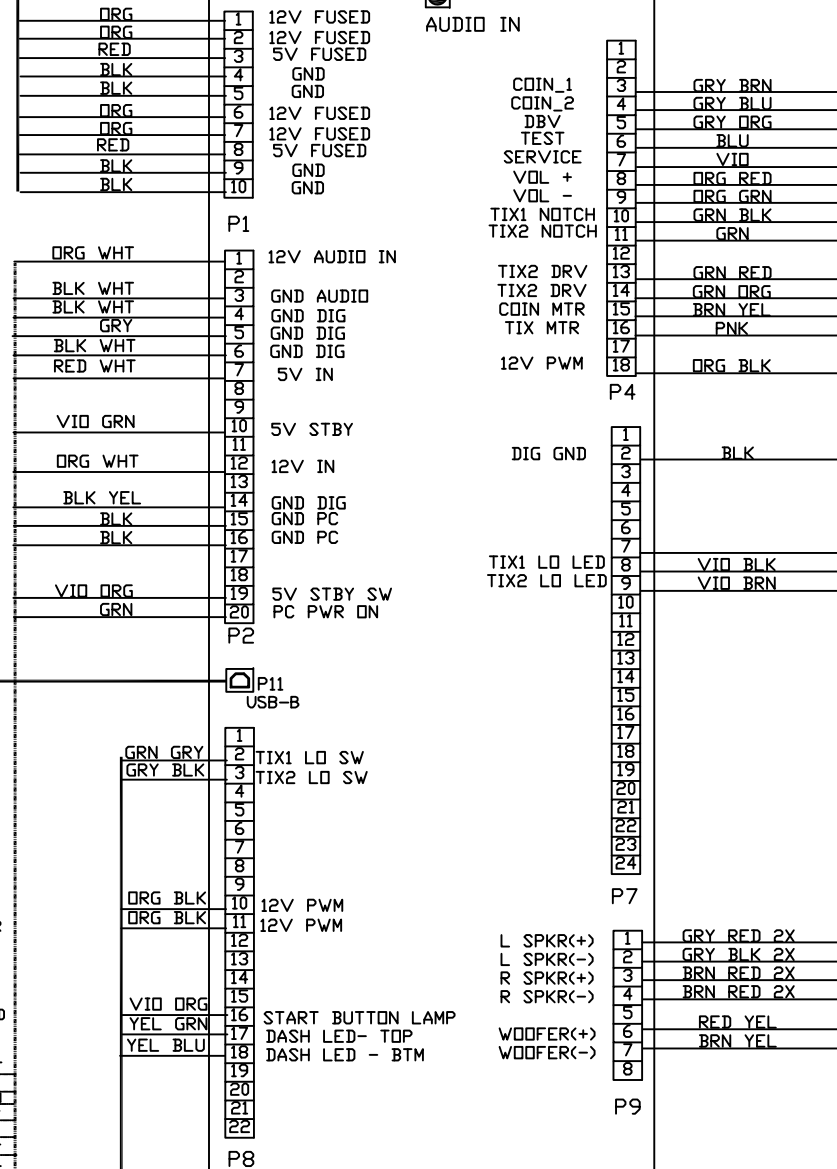
HAPP P/N: 80-0074-00
 BETSON P/N: UP-200PST-CE



42" LCD DISP



PC WATCHDOG RELAY
 MAGNECRAFT
 PN 6210AXXSZS-DC3



Troubleshooting

Warning: Review safety chapter before making any adjustments to game.

General

Problem	Possible Cause	Solution
Game does not power up.	Game not plugged in.	Plug game into outlet.
	Game not turned on	Turn on main power switch.
	Fuse is blown.	Check and replace fuse.
	No power to receptacle.	Test outlet and plug game into powered outlet.
	PC not turned on	Turn PC power switch on. Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.

Problem	Possible Cause	Solution
Game does not load.	Hard Drive failure	Recover hard drive. See procedure at end of chapter.
Hard drive test reports "bad" or "missing" files.		
Game fails to finish loading.		
After resetting, game still reports an error.		
Game suggests inserting a boot DVD		
Erratic game mode or attract mode		
<p>WARNING! Data Files Corrupted. (Game Operation May Become Unstable) Use "Test" Switch to Enter Test Mode and Run "File Test." Press Start To Continue</p>		

Dongle not present	Dongle missing or disconnected	Find dongle and reseal in USB port.
	Faulty USB port	Insert dongle into different USB port

No sound	Bad connection	Check connection to speakers
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Connect RIO Board message or RIO Board Missing	USB cable disconnected	Verify with Device Connection Test. Check USB connection.
	Faulty USB port.	Swap connection to another USB port.

Wheel of Fortune® Video

Coin/Ticket Meters

Problem	Possible Cause	Solution
Meter does not click during test.	No pulse to meter	Check all wiring from meter to I/O board.
	Faulty meter	Replace coin meter.

Ticket Dispensers

Problem	Possible Cause	Solution
No tickets dispensed	Bad ticket dispenser	Run Ticket Dispenser Test. Replace dispenser.
	Bad ticket meter	Run Ticket Meter Test. Replace meter

Red ticket LED stays illuminated	Bad ticket level sensor	Replace sensor
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Red ticket LED does not illuminate	Bad connection/wiring	Verify connection/wiring
	Bad LED	Replace LED

Cabinet Lights

Problem	Possible Cause	Solution
Light does not illuminate in Lamp Test	Bad connection/wiring	Verify connection/wiring
	Bad bulb/LED	Replace bulb/LED

Wheel Spinner

Problem	Possible Cause	Solution
No response from wheel spinner	USB disconnected	Verify with Device Connection Test. Check USB connection
	Faulty USB port	Swap connection to another USB port
	Faulty spinner	Replace spinner

Weak spin	Loose spinner	Test speed with Spinner Test and check that spinner is secured tightly.
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Wheel of Fortune® Video

Contact Information

For an authorized distributor near you, check the Raw Thrills website at www.rawthrills.com

Contact Betson Enterprise Headquarters or your local Betson office for sales, technical information, warranty or repair. Betson can be reached at (800)753-2513 or www.betson.com

CoinUp® Prize Claims or Service

PlayMechanix™ www.playmechanix.com

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